



CENSUS BUREAU  
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# Fats and Oils— Oilseed Crashings

U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

FIRST QUARTER 1991

MQ20J(91)-1  
Issued May 1991

The statistics in this publication are based on a survey of all known crushers of oilseeds and represent total U.S. production of oilseed extraction. Estimates are included

for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears on page 6.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for the first quarter 1991 be released on or about May 7, 1991. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SELECTED ITEMS OF CRUDE VEGETABLE OIL PRODUCTION, NOT SEASONALLY ADJUSTED: 1989 TO 1991

(Millions of pounds)

Quarter and year	Soybean	Cottonseed	Corn
<b>1991</b>			
First quarter.....	3,329.3	315.4	405.5
<b>1990</b>			
Fourth quarter.....	3,494.0	297.3	400.7
Third quarter.....	3,135.3	164.3	407.0
Second quarter.....	3,152.7	238.9	370.7
First quarter.....	3,351.5	306.0	354.8
<b>1989</b>			
Fourth quarter.....	3,364.2	330.3	337.7
Third quarter.....	2,533.9	215.3	325.8
Second quarter.....	2,837.5	315.9	367.0
First quarter.....	3,099.3	362.4	363.0

Table 2. NET RECEIPTS, CRUSHINGS, AND STOCKS OF RAW MATERIALS AT OIL MILLS

(Short tons)

Product code	Product description	First quarter 1991			Fourth quarter 1990	
		Net receipts at mills	Crushed or used	Oil mill stocks, end of quarter	Crushed or used	Oil mill stocks, end of quarter
00116 11	Soybeans .....	8,085,642	8,932,673	2,348,069	9,442,676	3,195,100
00131 01	Cottonseed <sup>1</sup> .....	159,609	986,086	1,650,182	935,087	2,476,659
00119 11	Flaxseed .....	(D)	(D)	(D)	(D)	(D)
00139 23	Peanuts .....	89,901	84,458	16,089	51,722	10,626
00119 22	Sunflower seeds .....	167,270	198,061	(D)	237,253	(D)
00119 33	Safflower seeds.....	(D)	(D)	(D)	(D)	(D)
00119 18	Rapeseed .....	(D)	(D)	(D)	(D)	(D)
00000 00	Other major oil bearing materials <sup>2</sup> .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Actual cottonseed received at the mill location: First quarter 1991, 356,926; Fourth quarter 1990, 2,835,583.

<sup>2</sup>Other major oils consist of tung and castor (no. 1 and no. 2).

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Andrew Kravnak, (301) 763-7108.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

**Table 3. PRODUCTION, SHIPMENTS AND TRANSFERS, AND STOCKS OF PRIMARY PRODUCTS AT CRUDE OIL MILL LOCATIONS**

Product code	Product description	Unit of measure	First quarter 1991		Fourth quarter 1990		
			Production	Stocks, end of quarter	Production	Stocks, end of quarter	Shipments and transfers
	Soybean:						
20751 11	Crude oil.....	Thous. lbs ..	3,329,306	811,528	3,494,009	661,601	3,128,037
20752 11	Cake and meal .....	S. tons .....	6,778,345	490,098	7,088,202	419,333	6,708,580
20752 13	For animal feed .....	..do .....	6,695,774	(X)	7,001,512	(X)	(X)
20752 15	For edible protein products.....	..do .....	82,571	(X)	86,690	(X)	(X)
20752 61	Millfeed (hull meal) .....	..do .....	318,995	37,626	365,260	36,477	317,846
20751 42	Lecithin.....	..do .....	15,076	(X)	15,719	(X)	(X)
	Cottonseed:						
20741 11	Crude oil.....	Thous. lbs ..	315,378	29,376	297,314	20,429	306,431
20744 11	Cake and meal .....	S. tons .....	462,241	123,997	437,061	124,614	642,858
20744 51	Hulls .....	..do .....	244,441	60,699	232,181	44,010	227,752
	Linters: <sup>1</sup>						
	Gross weight.....	Thous. lbs ..	159,016	26,072	154,271	20,868	153,812
	Equivalent running bales .....	Number.....	252,080	41,433	244,553	33,179	243,826
20743 13	First cut:						
	Gross weight.....	Thous. lbs ..	34,364	9,007	34,024	8,867	34,224
	Equivalent running bales .....	Number.....	54,895	14,388	54,351	14,165	54,671
20743 15	Second cut:						
	Gross weight.....	Thous. lbs ..	105,817	12,858	102,594	9,193	102,152
	Equivalent running bales .....	Number.....	166,904	20,281	161,820	14,500	161,123
20743 17	Mill run:						
	Gross weight.....	Thous. lbs ..	18,835	4,207	17,653	2,808	17,436
	Equivalent running bales .....	Number.....	30,281	6,764	28,381	4,514	28,032
	Linseed:						
20761 11	Crude oil.....	Thous. lbs ..	(D)	(D)	(D)	(D)	(D)
20763 11	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Peanut:						
20762 52	Crude oil.....	Thous. lbs ..	70,972	11,162	42,770	5,693	65,503
20763 51	Cake and meal .....	S. tons .....	49,503	7,399	30,256	4,041	46,145
	Sunflower:						
20762 35	Crude oil.....	Thous. lbs ..	163,234	69,653	193,736	77,709	171,290
20763 64	Cake and meal .....	S. tons .....	94,705	5,143	119,947	8,110	88,708
20460 61	Corn:						
	Crude oil.....	Thous. lbs ..	405,478	51,658	400,748	25,658	379,478
	Safflower:						
20762 99	Crude oil.....	Thous. lbs ..	(D)	19,760	(D)	21,340	(D)
20763 99	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Rapeseed:						
20762 71	Crude oil.....	Thous. lbs ..	(D)	(D)	(D)	(D)	(D)
20763 71	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Other:						
20762 99	Crude oil.....	Thous. lbs ..	-	-	-	-	-
20763 99	Cake and meal .....	S. tons .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

<sup>1</sup>Data reported in gross weight and converted to running bales using the following factors: 1st cut ÷ 626 lbs., 2nd cut ÷ 634 lbs., and mill run ÷ 622 lbs.

**Table 4. TOTAL SOYBEAN OIL FACTORY AND WAREHOUSE STOCKS**

(Thousands of pounds)

Product code	Product description	First quarter 1991	Fourth quarter 1990
<b>Soybean oil:</b>			
20751 11	Stocks, end of quarter .....	1,872,237	1,463,800
20751 11	Crude .....	1,614,026	1,227,742
20751 21	Refined .....	258,211	236,058

Table 5. CRUSHINGS AND STOCKS OF COTTONSEED AT OIL MILLS, BY STATE

(Short tons)

State	First quarter 1991		Fourth quarter 1990	
	Crushed or used	Stocks at mills, end of quarter	Crushed or used	Stocks at mills, end of quarter
United States.....	986,086	1,650,182	935,087	2,476,659
Arkansas.....	113,390	243,200	105,283	350,218
Pacific and Mountain States .....	(D)	190,638	(D)	510,225
Mississippi.....	143,633	186,768	147,342	329,159
Texas.....	396,332	655,937	353,497	860,545
All other States.....	(D)	373,639	(D)	426,512

Note: Detail may not add to totals due to independent rounding.

(D) Data withheld to avoid disclosing figures for individual companies.

Table 6. PRODUCTION AND STOCKS OF COTTONSEED PRODUCTS FOR SELECTED STATES

State and product description	Unit of measure	First quarter 1991		Fourth quarter 1990	
		Production	Stocks	Production	Stocks
Arkansas:					
Crude oil .....	Thous. lbs.....	35,460	2,109	32,949	1,307
Cake and meal .....	S. tons.....	52,841	7,775	49,201	6,661
Hulls .....	..do .....	25,947	6,576	23,989	2,331
Linters.....	bales <sup>1</sup> .....	34,635	3,223	32,708	2,009
California:					
Crude oil .....	Thous. lbs.....	(D)	(D)	(D)	(D)
Cake and meal .....	S. tons.....	(D)	(D)	(D)	(D)
Hulls .....	..do .....	(D)	(D)	(D)	(D)
Linters.....	bales <sup>1</sup> .....	(D)	(D)	(D)	(D)
Mississippi:					
Crude oil .....	Thous. lbs.....	43,940	3,618	43,448	2,600
Cake and meal .....	S. tons.....	65,779	3,749	67,715	4,522
Hulls .....	..do .....	32,880	2,145	35,068	1,821
Linters.....	bales <sup>1</sup> .....	42,333	5,477	40,062	4,320
Texas:					
Crude oil .....	Thous. lbs.....	129,023	5,637	114,470	5,672
Cake and meal .....	S. tons.....	182,528	37,281	163,042	49,330
Hulls .....	..do .....	106,662	13,917	95,028	9,669
Linters.....	bales <sup>1</sup> .....	96,175	14,508	84,511	11,145

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Data reported in gross weight and converted to running bales using the following factors: 1st cut ÷ 626 lbs., 2nd cut ÷ 634 lbs., and mill run ÷ 622 lbs.

Table 7. CRUSHINGS AND STOCKS OF SOYBEANS AT OIL MILLS, BY STATE

(Short tons)

State	First quarter 1991		Fourth quarter 1990	
	Crushed or used	Stocks at mills, end of quarter	Crushed or used	Stocks at mills, end of quarter
United States.....	8,932,673	2,348,069	9,442,678	3,195,100
Arkansas.....	326,671	(D)	(D)	(D)
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	1,704,345	262,225	1,786,305	478,265
Indiana.....	528,084	(D)	643,360	(D)
Iowa.....	1,572,789	209,231	1,710,231	227,330
Kansas.....	395,794	76,052	421,466	116,963
Minnesota.....	624,041	(D)	688,500	57,329
Missouri.....	478,308	78,912	530,692	163,559
Ohio.....	540,592	(D)	618,237	(D)
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	2,325,851	857,786	2,254,015	1,291,212

(D) Data withheld to avoid disclosing figures for individual companies.

Table 8. PRODUCTION AND STOCKS OF SOYBEAN PRODUCTS AT OIL MILL LOCATIONS, BY STATES

(Crude oil in thousand pounds; cake and meal in short tons)

State	First quarter 1991		Fourth quarter 1990	
	Crude oil	Cake and meal total <sup>1</sup>	Crude oil	Cake and meal total <sup>1</sup>
<b>Production</b>				
United States.....	3,329,306	7,112,416	3,494,009	7,469,181
Arkansas.....	119,492	260,033	(D)	(D)
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	640,433	1,366,171	668,321	1,397,266
Indiana.....	187,341	414,681	231,673	502,923
Iowa.....	607,412	1,238,768	656,495	1,348,164
Kansas.....	148,592	317,515	156,100	337,643
Minnesota.....	245,145	503,261	262,557	547,477
Missouri.....	183,488	(D)	195,052	422,542
Ohio.....	191,014	432,623	214,654	492,298
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	848,493	1,855,646	821,878	1,794,709
<b>Stocks at oil mill locations, end of quarter</b>				
United States.....	811,528	527,724	661,601	455,810
Arkansas.....	30,973	15,491	19,929	(D)
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	131,490	208,037	92,938	171,373
Indiana.....	(D)	(D)	143,152	(D)
Iowa.....	71,004	36,427	(D)	26,417
Kansas.....	(D)	11,818	(D)	7,618
Minnesota.....	61,898	30,373	57,913	(D)
Missouri.....	(D)	(D)	(D)	(D)
Ohio.....	(D)	(D)	(D)	(D)
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	265,164	98,533	147,811	99,786

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Includes millfeed and lecithin.

**Table 9. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED OILS: FIRST QUARTER 1991**

(Quantity in millions of pounds)

Product code	Product description	Manufacturers' production	Export of domestic merchandise <sup>1</sup>	Percent exports to manufacturers' production	Imports for consumption <sup>2</sup>	Apparent consumption <sup>3</sup>
20751 11	Soybean - crude oil .....	3,329.3	(NA)	(NA)	(NA)	(NA)
20741 11	Cottonseed - crude oil .....	315.4	(NA)	(NA)	(NA)	(NA)

Note: For comparison of Standard Industrial Classification codes, Schedule B export numbers, and HTSUSA import numbers, see table 10.

(NA) Not available.

<sup>1</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*.

<sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*.

<sup>3</sup>Apparent consumption is equal to domestic production, plus imports, minus exports.

**Table 10. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991**

Product code	Product description	Export number <sup>1</sup>	Import number <sup>2</sup>
20751 11	Soybean - crude oil .....	1507.10.0000	1507.10.0000
20754 11	Cottonseed - crude oil .....	1512.21.0000	1512.21.0000

<sup>1</sup>Source: 1991 edition, *Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States*.

<sup>2</sup>Source: *Harmonized Tariff Schedule of the United States, Annotated* (1991).

## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all plants in the United States that crush vegetable oil-bearing materials (oilseeds, beans, nuts, etc.). Only primary processors are included in this survey. Plants that only refine or further process crude vegetable oils are excluded.

**Survey Methodology .** The data shown in this publication were collected by mail on Bureau of the Census quarterly Form MQ20J, Oilseeds, Beans, and Nuts (Primary Processors), from a panel of about 170 establishments. Approximately 95 percent of these establishments are included in the quarterly mail panel. The remaining small crushers report data annually. Quarterly data for these small crushers are estimated based on their annual reports and trends reported by those in the quarterly panel.

**Survey Error.** Figures for the current quarter may include estimates for panel members for which reports were not received in time for tabulation. Such missing figures are “imputed” based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 5 percent for any one data cell. Figures with imputation rates greater than 5 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

**Revisions to Previous Period Data .** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Net Receipts at Mills (Current Quarter).* Figures under this heading are derived by subtracting stocks held at the end of the previous quarter from the sum of materials crushed during the current quarter and stocks held at the end of the current quarter.

*Shipments and Transfers (Current Quarter).* Figures under this heading are derived by subtracting stocks held at the end of the current quarter from the sum of stocks held at the end of the previous quarter and production during the current quarter.

*Linters.* The fuzz or short fibers that adhere to cottonseed after ginning.

*Hulls.* The outer covering of cottonseeds or soybeans.

*Cake and Meal.* The residue left after the oil is extracted from a seed, nut, or kernel.

*Crude Vegetable Oils.* Oil until it has been processed by an alkali or caustic wash or by some equivalent operation.

*Lecithin.* A mixed phosphatide product obtained from soybean oil in the degumming process.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.

- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charge and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.
- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## RELATED REPORTS

An annual summary Current Industrial Report also is published in this series. The annual report summarizes quarterly figures and incorporates known revisions in the series for both the current and previous year. It also provides a single reference copy to replace the quarterly publications.

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
MQ20K	Quarterly	<i>Fats and Oils (Production, Consumption, and Stocks)</i>

Series	Frequency	Title
<i>Other Industry Statistics</i>		
M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures
<i>Foreign Trade Reports</i>		
CD-ROM	Monthly/Annually	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 447	Annually	
CD-ROM	Monthly/Annually	<i>U.S. Imports for Consumption—HTSUSA—Commodity by Country</i>
FT 247	Annually	

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Reports MQ20J	Andrew Kraynak	(301) 763-7108
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935
Census/ASM	Ted McGrath	(301) 763-5152
Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
To order a Current Industrial Report	Superintendent of Documents (GPO)	(202) 783-3238
To subscribe to a Census Bureau publication	Superintendent of Documents (GPO)	(202) 275-3054

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(Millions of pounds)

Quarter and year	Soybean	Cottonseed	Corn
<b>1991</b>			
Second quarter .....	3,170.8	278.0	422.3
First quarter .....	3,331.1	309.9	405.0
<b>1990</b>			
Fourth quarter .....	3,494.0	297.3	400.7
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Table 2. **NET RECEIPTS, CRUSHINGS, AND STOCKS OF RAW MATERIALS AT OIL MILLS**

(Short tons)

Product code	Product description	Second quarter 1991			First quarter 1991	
		Net receipts at mills	Crushed or used	Oil mill stocks, end of quarter	Crushed or used	Oil mill stocks, end of quarter
00116 11	Soybeans .....	7,881,599	8,402,118	1,834,807	8,937,864	2,355,326
00131 01	Cottonseed <sup>1</sup> .....	181,221	864,471	879,756	972,960	1,563,006
00119 11	Flaxseed .....	(D)	(D)	(D)	(D)	(D)
00139 23	Peanuts .....	86,808	84,458	17,687	84,352	15,337
00119 22	Sunflower seeds .....	79,133	122,579	47,568	198,061	91,014
00119 33	Safflower seeds .....	(D)	(D)	(D)	(D)	(D)
00119 18	Rapeseed .....	(D)	(D)	(D)	(D)	(D)
00000 00	Other major oil bearing materials <sup>2</sup> .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Actual cottonseed received at the mill location: Second quarter 1991, 100,098; first quarter 1991, 352,802.

<sup>2</sup>Other major oils consist of tung and castor (no. 1 and no. 2).

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Table 3. PRODUCTION, SHIPMENTS AND TRANSFERS, AND STOCKS OF PRIMARY PRODUCTS AT CRUDE OIL MILL LOCATIONS

Product code	Product description	Unit of measure	Second quarter 1991		First quarter 1991		
			Production	Stocks, end of quarter	Production	Stocks, end of quarter	Shipments and transfers
20751 11	Soybean:						
20752 11	Crude oil.....	Thous. lbs...	3,170,779	740,679	3,331,067	810,725	3,240,825
20752 13	Cake and meal .....	S. tons .....	6,300,834	382,731	6,763,010	490,159	6,408,262
20752 15	For animal feed .....	..do.....	6,216,666	(X)	6,680,439	(X)	(X)
20752 61	For edible protein products.....	..do.....	84,168	(X)	82,571	(X)	(X)
20751 42	Millfeed (hull meal) .....	..do.....	339,939	42,230	318,995	37,605	335,314
	Lecithin .....	..do.....	16,561	(X)	15,076	(X)	(X)
20741 11	Cottonseed:						
20744 11	Crude oil.....	Thous. lbs...	278,013	26,081	309,882	28,727	280,659
20744 51	Cake and meal .....	S. tons .....	409,064	161,853	456,156	116,895	364,106
	Hulls .....	..do.....	217,722	73,116	241,373	57,809	202,415
	Linters: <sup>1</sup>						
	Gross weight.....	Thous. lbs...	143,447	29,322	157,437	25,807	139,932
20743 13	Equivalent running bales .....	Number.....	227,213	46,587	249,582	41,014	221,640
	First cut:						
	Gross weight.....	Thous. lbs...	31,431	9,593	34,069	8,923	30,761
20743 15	Equivalent running bales .....	Number.....	50,209	15,324	54,423	14,254	49,139
	Second cut:						
	Gross weight.....	Thous. lbs...	101,417	14,979	104,566	12,652	99,090
20743 17	Equivalent running bales .....	Number.....	159,964	23,626	164,931	19,956	156,293
	Mill run:						
	Gross weight.....	Thous. lbs...	10,599	4,750	18,802	4,232	10,081
	Equivalent running bales .....	Number.....	17,040	7,637	30,228	6,804	16,207
20761 11	Linseed:						
20763 11	Crude oil.....	Thous. lbs...	(D)	(D)	(D)	(D)	(D)
	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
20762 52	Peanut:						
20763 51	Crude oil.....	Thous. lbs...	71,140	8,501	70,829	11,037	73,676
	Cake and meal .....	S. tons .....	49,702	5,887	49,453	7,399	51,214
20762 35	Sunflower:						
20763 64	Crude oil.....	Thous. lbs...	102,551	66,099	163,234	69,653	106,105
	Cake and meal .....	S. tons .....	58,642	7,876	94,705	5,143	55,909
20460 61	Corn:						
	Crude oil.....	Thous. lbs...	422,328	52,118	405,029	45,665	415,875
20762 99	Safflower:						
20763 99	Crude oil.....	Thous. lbs...	(D)	23,506	(D)	19,760	(D)
	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
20762 71	Rapeseed:						
20763 71	Crude oil.....	Thous. lbs...	(D)	(D)	(D)	(D)	(D)
	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
20762 99	Other:						
20763 99	Crude oil.....	Thous. lbs...	-	-	-	-	-
	Cake and meal .....	S. tons .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>1</sup>Revised by 5 percent or more from previously published figures. (X) Not applicable.

<sup>1</sup>Data reported in gross weight and converted to running bales using the following factors: 1st cut ÷ 626 lbs., 2nd cut ÷ 634 lbs., and mill run ÷ 622 lbs.

Table 4. TOTAL SOYBEAN OIL FACTORY AND WAREHOUSE STOCKS

(Thousands of pounds)

Product code	Product description	Second quarter 1991	First quarter 1991
	Soybean oil:		
20751 11	Stocks, end of quarter .....	1,851,090	1,869,082
20751 21	Crude .....	1,609,339	1,625,400
	Refined .....	241,751	243,682

Table 5. CRUSHINGS AND STOCKS OF COTTONSEED AT OIL MILLS, BY STATE

(Short tons)

State	Second quarter 1991		First quarter 1991	
	Crushed or used	Stocks at mills, end of quarter	Crushed or used	Stocks at mills, end of quarter
United States.....	864,471	879,756	972,960	1,563,006
Arkansas.....	102,233	114,264	113,390	243,200
Pacific and Mountain States .....	(D)	73,167	(D)	189,564
Mississippi.....	86,340	83,204	143,633	186,768
Texas.....	367,360	405,975	383,206	649,606
All other States.....	(D)	203,146	(D)	'293,868

Note: Detail may not add to totals due to independent rounding.

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.

Table 6. PRODUCTION AND STOCKS OF COTTONSEED PRODUCTS FOR SELECTED STATES

State and product description	Unit of measure	Second quarter 1991		First quarter 1991	
		Production	Stocks	Production	Stocks
Arkansas:					
Crude oil .....	Thous. lbs. ....	32,394	2,345	35,460	2,109
Cake and meal .....	S. tons .....	48,449	6,029	52,841	7,775
Hulls .....	.do .....	22,853	7,084	25,947	6,576
Linters.....	Bales <sup>1</sup> .....	31,450	4,613	34,635	3,223
California:					
Crude oil .....	Thous. lbs. ....	(D)	(D)	(D)	(D)
Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)
Hulls .....	.do .....	(D)	(D)	(D)	(D)
Linters.....	Bales <sup>1</sup> .....	(D)	(D)	(D)	(D)
Mississippi:					
Crude oil .....	Thous. lbs. ....	26,729	3,515	43,940	3,618
Cake and meal .....	S. tons .....	39,257	5,218	65,779	3,749
Hulls .....	.do .....	21,942	3,761	32,880	2,145
Linters.....	Bales <sup>1</sup> .....	29,478	6,675	42,333	5,477
Texas:					
Crude oil .....	Thous. lbs. ....	115,766	5,350	123,527	'4,998
Cake and meal .....	S. tons .....	170,281	70,086	176,443	'35,179
Hulls .....	.do .....	99,902	17,347	103,654	14,027
Linters.....	Bales <sup>1</sup> .....	84,134	14,432	93,677	14,111

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.

<sup>1</sup>Data reported in gross weight and converted to running bales using the following factors: 1st cut ÷ 626 lbs., 2nd cut ÷ 634 lbs., and mill run ÷ 622 lbs.

Table 7. CRUSHINGS AND STOCKS OF SOYBEANS AT OIL MILLS, BY STATE

(Short tons)

State	Second quarter 1991		First quarter 1991	
	Crushed or used	Stocks at mills, end of quarter	Crushed or used	Stocks at mills, end of quarter
United States .....	8,402,118	1,834,807	8,937,864	2,355,326
Arkansas .....	257,532	(D)	326,671	(D)
Georgia .....	(D)	(D)	(D)	(D)
Illinois .....	1,508,185	271,714	1,704,345	262,225
Indiana .....	579,152	(D)	528,084	(D)
Iowa .....	1,484,038	212,467	1,572,789	209,231
Kansas .....	396,166	37,855	395,794	76,052
Minnesota .....	621,856	46,600	624,041	(D)
Missouri .....	501,269	44,966	478,308	78,912
Ohio .....	513,300	(D)	540,592	(D)
South Carolina .....	(D)	(D)	(D)	(D)
All other States .....	2,136,341	592,829	2,331,042	865,043

(D) Data withheld to avoid disclosing figures for individual companies.

Table 8. PRODUCTION AND STOCKS OF SOYBEAN PRODUCTS AT OIL MILL LOCATIONS, BY STATES

(Crude oil in thousand pounds; cake and meal in short tons)

State	Second quarter 1991		First quarter 1991	
	Crude oil	Cake and meal total <sup>1</sup>	Crude oil	Cake and meal total <sup>1</sup>
<b>Production</b>				
United States .....	3,170,779	6,657,334	3,331,067	7,117,081
Arkansas .....	95,666	204,771	119,492	260,033
Georgia .....	(D)	(D)	(D)	(D)
Illinois .....	574,083	1,170,111	640,433	1,346,171
Indiana .....	209,903	452,452	187,341	414,681
Iowa .....	576,777	1,168,555	607,412	1,238,768
Kansas .....	150,801	318,954	148,592	317,515
Minnesota .....	245,197	503,457	245,145	503,261
Missouri .....	191,809	399,432	183,488	379,958
Ohio .....	182,987	407,877	191,014	432,623
South Carolina .....	(D)	(D)	(D)	(D)
All other States .....	794,706	1,713,747	850,254	1,880,311
<b>Stocks at oil mill locations, end of quarter</b>				
United States .....	740,679	424,961	810,725	527,764
Arkansas .....	24,619	10,613	30,973	15,491
Georgia .....	(D)	(D)	(D)	(D)
Illinois .....	120,851	152,453	131,490	208,037
Indiana .....	139,646	(D)	(D)	(D)
Iowa .....	52,513	34,839	71,004	36,427
Kansas .....	(D)	10,462	(D)	11,818
Minnesota .....	(D)	22,384	61,898	(D)
Missouri .....	(D)	(D)	(D)	(D)
Ohio .....	(D)	(D)	(D)	(D)
South Carolina .....	(D)	(D)	(D)	(D)
All other States .....	256,650	95,957	265,361	94,573

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Includes millfeed and lecithin.

**Table 9. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED OILS: FIRST QUARTER 1991**

(Quantity in millions of pounds)

Product code	Product description	Manufacturers' production	Export of domestic merchandise <sup>1</sup>	Percent exports to manufacturers' production	Imports for consumption <sup>2</sup>	Apparent consumption <sup>3</sup>
20751 11	Soybean - crude oil .....	3,331.1	15.0	0.5	-	3,316.1
20741 11	Cottonseed - crude oil .....	309.9	1.0	0.3	-	308.9

Note: For comparison of Standard Industrial Classification codes, Schedule B export numbers, and HTSUSA import numbers, see table 10.

- Represents zero.

<sup>1</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*.

<sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*.

<sup>3</sup>Apparent consumption is equal to domestic production, plus imports, minus exports.

**Table 10. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991**

Product code	Product description	Export number <sup>1</sup>	Import number <sup>2</sup>
20751 11	Soybean - crude oil .....	1507.10.0000	1507.10.0000
20754 11	Cottonseed - crude oil .....	1512.21.0000	1512.21.0000

<sup>1</sup>Source: 1991 edition, *Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States*.

<sup>2</sup>Source: *Harmonized Tariff Schedule of the United States, Annotated* (1991).



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# Fats and Oils— Oilseed Crashings

THIRD QUARTER 1991

MQ20J(91)-3  
Issued November 1991

The statistics in this publication are based on a survey of all known crushers of oilseeds and represent total U.S. production of oilseed extraction. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information may be found in the first quarter 1991 report, MQ20J(91)-1, issued May 1991.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for the fourth quarter 1991 be released on or about February 4, 1992. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SELECTED ITEMS OF CRUDE VEGETABLE OIL PRODUCTION, NOT SEASONALLY ADJUSTED: 1989 TO 1991

(Millions of pounds)

Quarter and year	Soybean	Cottonseed	Corn
<b>1991</b>			
Third quarter.....	3,412.2	266.2	427.5
Second quarter.....	3,170.8	283.0	422.3
First quarter.....	3,331.1	309.9	405.0
<b>1990</b>			
Fourth quarter.....	3,494.0	297.3	400.7
Third quarter.....	3,135.3	164.3	407.0
Second quarter.....	3,152.7	238.9	370.7
First quarter.....	3,351.5	306.0	354.8
<b>1989</b>			
Fourth quarter.....	3,364.2	330.3	337.7
Third quarter.....	2,533.9	215.3	325.8
Second quarter.....	2,837.5	315.9	367.0
First quarter.....	3,099.3	362.4	363.0

Table 2. NET RECEIPTS, CRUSHINGS, AND STOCKS OF RAW MATERIALS AT OIL MILLS

(Short tons)

Product code	Product description	Third quarter 1991			Second quarter 1991	
		Net receipts at mills	Crushed or used	Oil mill stocks, end of quarter	Crushed or used	Oil mill stocks, end of quarter
00116 11	Soybeans .....	9,221,517	9,047,018	2,009,306	8,402,118	1,834,807
00131 01	Cottonseed <sup>1</sup> .....	638,332	820,988	697,095	864,471	879,751
00119 11	Flaxseed .....	(D)	(D)	(D)	(D)	(D)
00139 23	Peanuts .....	71,332	73,715	15,304	84,213	17,687
00119 22	Sunflower seeds .....	(D)	71,241	(D)	122,579	47,568
00119 33	Safflower seeds.....	(D)	(D)	(D)	(D)	(D)
00119 18	Rapeseed .....	(D)	(D)	(D)	(D)	(D)
00000 00	Other major oil bearing materials <sup>2</sup> .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Actual cottonseed received at the mill location: Third quarter 1991, 701,593; Second quarter 1991, 100,098.

<sup>2</sup>Other major oils consist of tung and castor (no. 1 and no. 2).

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Andrew Kravynak, (301) 763-7108.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 3. PRODUCTION, SHIPMENTS AND TRANSFERS, AND STOCKS OF PRIMARY PRODUCTS AT CRUDE OIL MILL LOCATIONS

Product code	Product description	Unit of measure	Third quarter 1991		Second quarter 1991		
			Production	Stocks, end of quarter	Production	Stocks, end of quarter	Shipments and transfers
	Soybean:						
20751 11	Crude oil.....	Thous. lbs...	3,412,192	663,934	3,170,779	740,679	3,488,937
20752 11	Cake and meal .....	S. tons .....	6,802,691	247,361	6,300,834	382,731	6,938,061
20752 13	For animal feed .....	..do.....	6,723,937	(X)	6,216,666	(X)	(X)
20752 15	For edible protein products.....	..do.....	78,754	(X)	84,168	(X)	(X)
20752 61	Millfeed (hull meal) .....	..do.....	346,249	37,648	339,939	42,230	350,831
20751 42	Lecithin.....	..do.....	16,973	(X)	16,561	(X)	(X)
	Cottonseed:						
20741 11	Crude oil.....	Thous. lbs...	266,218	25,219	283,013	26,081	267,080
20744 11	Cake and meal .....	S. tons .....	392,571	94,074	409,064	161,853	460,350
20744 51	Hulls .....	..do.....	203,833	51,188	217,722	73,116	225,761
	Linters: <sup>1</sup>						
	Gross weight.....	Thous. lbs...	133,814	33,727	143,447	29,322	129,409
	Equivalent running bales .....	Number.....	211,993	53,493	227,213	46,587	205,087
20743 13	First cut:						
	Gross weight.....	Thous. lbs...	27,244	8,371	31,431	9,593	28,466
	Equivalent running bales .....	Number.....	43,521	13,372	50,209	15,324	45,473
20743 15	Second cut:						
	Gross weight.....	Thous. lbs...	94,057	21,174	101,417	14,979	87,862
	Equivalent running bales .....	Number.....	148,355	33,397	159,964	23,626	138,584
20743 17	Mill run:						
	Gross weight.....	Thous. lbs...	12,513	4,182	10,599	4,750	13,081
	Equivalent running bales .....	Number.....	20,117	6,723	17,040	7,637	21,031
	Linseed:						
20761 11	Crude oil.....	Thous. lbs...	(D)	(D)	(D)	(D)	(D)
20763 11	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Peanut:						
20762 52	Crude oil.....	Thous. lbs...	59,465	3,601	71,140	8,501	64,365
20763 51	Cake and meal .....	S. tons .....	40,485	2,481	49,702	5,887	43,891
	Sunflower:						
20762 35	Crude oil.....	Thous. lbs...	55,063	(D)	102,551	66,099	(D)
20763 64	Cake and meal .....	S. tons .....	37,113	(D)	58,642	7,876	(D)
	Corn:						
20460 61	Crude oil.....	Thous. lbs...	427,494	48,258	422,328	52,118	431,354
	Safflower:						
20762 99	Crude oil.....	Thous. lbs...	(D)	15,562	(D)	(D)	(D)
20763 99	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Rapeseed:						
20762 71	Crude oil.....	Thous. lbs...	(D)	(D)	(D)	(D)	(D)
20763 71	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Other:						
20762 99	Crude oil.....	Thous. lbs...	-	-	-	-	-
20763 99	Cake and meal .....	S. tons .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

<sup>1</sup>Data reported in gross weight and converted to running bales using the following factors: 1st cut ÷ 626 lbs., 2nd cut ÷ 634 lbs., and mill run ÷ 622 lbs.

Table 4. TOTAL SOYBEAN OIL FACTORY AND WAREHOUSE STOCKS

(Thousands of pounds)

Product code	Product description	Third quarter 1991	Second quarter 1991
	Soybean oil:		
20751 11	Stocks, end of quarter .....	1,777,176	1,876,403
20751 21	Crude .....	1,496,116	1,627,721
	Refined .....	281,060	248,682

Table 5. CRUSHINGS AND STOCKS OF COTTONSEED AT OIL MILLS, BY STATE

(Short tons)

State	Third quarter 1991		Second quarter 1991	
	Crushed or used	Stocks at mills, end of quarter	Crushed or used	Stocks at mills, end of quarter
United States .....	820,988	697,095	864,471	879,751
Arkansas .....	92,681	12,568	102,233	114,264
Pacific and Mountain States .....	(D)	(D)	(D)	73,167
Mississippi .....	93,765	103,984	86,340	83,199
Texas .....	363,172	335,760	367,360	405,975
All other States .....	(D)	(D)	(D)	203,146

Note: Detail may not add to totals due to independent rounding.

(D) Data withheld to avoid disclosing figures for individual companies.

Table 6. PRODUCTION AND STOCKS OF COTTONSEED PRODUCTS FOR SELECTED STATES

State and product description	Unit of measure	Third quarter 1991		Second quarter 1991	
		Production	Stocks	Production	Stocks
Arkansas:					
Crude oil .....	Thous. lbs. ....	30,073	2,248	32,394	2,345
Cake and meal .....	S. tons .....	44,743	4,738	48,449	6,029
Hulls .....	..do .....	19,893	3,997	22,853	7,084
Linters .....	Bales <sup>1</sup> .....	25,078	5,372	31,450	4,613
California:					
Crude oil .....	Thous. lbs. ....	(D)	(D)	(D)	(D)
Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)
Hulls .....	..do .....	(D)	(D)	(D)	(D)
Linters .....	Bales <sup>1</sup> .....	(D)	(D)	(D)	(D)
Mississippi:					
Crude oil .....	Thous. lbs. ....	29,157	3,193	26,729	3,515
Cake and meal .....	S. tons .....	44,130	4,245	39,257	(D)
Hulls .....	..do .....	24,151	2,038	21,942	3,761
Linters .....	Bales <sup>1</sup> .....	29,603	4,269	29,478	6,675
Texas:					
Crude oil .....	Thous. lbs. ....	120,511	(D)	120,766	5,350
Cake and meal .....	S. tons .....	172,830	52,052	170,281	70,086
Hulls .....	..do .....	97,082	18,314	99,902	17,347
Linters .....	Bales <sup>1</sup> .....	83,590	28,811	84,134	14,432

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Data reported in gross weight and converted to running bales using the following factors: 1st cut ÷ 626 lbs., 2nd cut ÷ 634 lbs., and mill run ÷ 622 lbs.

Table 7. CRUSHINGS AND STOCKS OF SOYBEANS AT OIL MILLS, BY STATE

(Short tons)

State	Third quarter 1991		Second quarter 1991	
	Crushed or used	Stocks at mills, end of quarter	Crushed or used	Stocks at mills, end of quarter
United States.....	9,047,018	2,009,306	8,402,118	1,834,807
Arkansas.....	336,961	(D)	257,532	(D)
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	1,727,868	405,126	1,508,185	271,714
Indiana.....	568,722	(D)	579,152	114,163
Iowa.....	1,648,436	293,882	1,484,038	212,467
Kansas.....	351,013	96,987	396,166	37,855
Minnesota.....	669,167	62,336	621,856	46,600
Missouri.....	492,152	94,185	501,269	44,966
Ohio.....	584,098	219,215	513,300	(D)
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	2,176,116	376,946	2,136,341	592,829

(D) Data withheld to avoid disclosing figures for individual companies.

Table 8. PRODUCTION AND STOCKS OF SOYBEAN PRODUCTS AT OIL MILL LOCATIONS, BY STATES

(Crude oil in thousand pounds; cake and meal in short tons)

State	Third quarter 1991		Second quarter 1991	
	Crude oil	Cake and meal total <sup>1</sup>	Crude oil	Cake and meal total <sup>1</sup>
<b>Production</b>				
United States.....	3,412,192	7,165,913	3,170,779	6,657,334
Arkansas.....	124,035	266,846	95,666	204,771
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	657,984	1,358,802	574,083	1,170,111
Indiana.....	209,889	445,635	209,903	452,452
Iowa.....	639,244	1,302,199	576,777	1,168,555
Kansas.....	133,698	280,902	150,801	318,954
Minnesota.....	257,606	532,210	245,197	503,457
Missouri.....	188,474	392,559	191,809	399,432
Ohio.....	210,743	464,584	182,987	407,877
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	808,859	1,734,470	794,706	1,713,747
<b>Stocks at oil mill locations, end of quarter</b>				
United States.....	663,934	285,009	740,679	424,961
Arkansas.....	(D)	10,517	24,619	10,613
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	137,029	96,430	120,851	152,453
Indiana.....	143,474	(D)	(D)	(D)
Iowa.....	50,861	21,237	52,513	34,839
Kansas.....	(D)	6,969	(D)	10,462
Minnesota.....	46,680	(D)	(D)	22,384
Missouri.....	(D)	(D)	(D)	(D)
Ohio.....	(D)	(D)	(D)	(D)
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	173,953	82,617	256,650	95,957

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Includes millfeed and lecithin.

**Table 9. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED OILS: SECOND QUARTER 1991**

(Quantity in millions of pounds)

Product code	Product description	Manufacturers' production	Export of domestic merchandise <sup>1</sup>	Percent exports to manufacturers' production	Imports for consumption <sup>2</sup>	Apparent consumption <sup>3</sup>
20751 11	Soybean - crude oil .....	3,170.8	88.0	2.8	-	3,082.8
20741 11	Cottonseed - crude oil .....	283.0	3.0	1.1	-	280.0

Note: For comparison of Standard Industrial Classification codes, Schedule B export numbers, and HTSUSA import numbers, see table 10 in the first quarter report, MQ20J(91)-1, issued May 1991.

- Represents zero.

<sup>1</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*.

<sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*.

<sup>3</sup>Apparent consumption is equal to domestic production, plus imports, minus exports.



# CENSUS CATALOG AND GUIDE: 1991



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# Fats and Oils— Oilseed Crushings

U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

FOURTH QUARTER 1991

MQ20J(91)-4  
Issued March 1992

The statistics in this publication are based on a survey of all known crushers of oilseeds and represent total U.S. production of oilseed extraction. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information may be found in the first quarter 1991 report, MQ20J(91)-1, issued May 1991.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report will be change to a monthly frequency begin January 1992 and will be released on or about February 26, 1992. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SELECTED ITEMS OF CRUDE VEGETABLE OIL PRODUCTION, NOT SEASONALLY ADJUSTED: 1989 TO 1991

(Millions of pounds)

Quarter and year	Soybean	Cottonseed	Corn
<b>1991</b>			
Fourth quarter.....	3,772.0	398.9	438.7
Third quarter.....	3,412.2	253.7	427.8
Second quarter.....	3,170.9	283.0	422.3
First quarter.....	3,331.1	308.9	405.0
<b>1990</b>			
Fourth quarter.....	3,494.0	297.3	400.7
Third quarter.....	3,135.3	184.3	407.0
Second quarter.....	3,152.7	238.8	370.7
First quarter.....	3,351.5	306.0	354.9
<b>1989</b>			
Fourth quarter.....	3,364.2	330.3	337.7
Third quarter.....	2,533.9	215.3	325.8
Second quarter.....	2,837.5	315.9	387.0
First quarter.....	3,099.3	382.4	383.0

Table 2. NET RECEIPTS, CRUSHINGS, AND STOCKS OF RAW MATERIALS AT OIL MILLS

(Short tons)

Product code	Product description	Fourth quarter 1991			Third quarter 1991	
		Net receipts at mills	Crushed or used	Oil mill stocks, end of quarter	Crushed or used	Oil mill stocks, end of quarter
00118 11	Soybeans .....	11,797,592	10,000,348	3,806,519	9,040,018	2,009,305
00131 01	Cottonseed <sup>1</sup> .....	2,839,068	1,145,203	2,390,480	812,958	688,817
00119 11	Flaxseed .....	(D)	(D)	(D)	(D)	(D)
00139 23	Peanuts .....	64,183	68,855	10,812	73,715	15,304
00119 22	Sunflower seeds .....	(D)	(D)	(D)	(D)	(D)
00119 33	Safflower seeds .....	(D)	(D)	(D)	(D)	(D)
00119 19	Rapeseed .....	(D)	(D)	(D)	(D)	(D)
00000 00	Other major oil bearing materials <sup>2</sup> .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Actual cottonseed received at the mill location: fourth quarter 1991, 3,447, 888; third quarter 1991, 701,432.

<sup>2</sup>Other major oils consist of tung and castor (no. 1 and no. 2).

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Andrew Kraynak, (301) 763-7108.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 3. PRODUCTION, SHIPMENTS AND TRANSFERS, AND STOCKS OF PRIMARY PRODUCTS AT CRUDE OIL MILL LOCATIONS

Product code	Product description	Unit of measure	Fourth quarter 1991		Third quarter 1991		
			Production	Stocks, end of quarter	Production	Stocks, end of quarter	Shipments and transfers
	Soybean:						
20751 11	Crude oil.....	Thous. lbs. ..	3,772,042	972,569	3,412,192	682,244	3,481,717
20752 11	Cake and meal .....	S. tons .....	7,543,375	244,629	6,802,689	247,361	7,546,410
20752 13	For animal feed .....	.do .....	7,449,849	(X)	6,723,937	(X)	(X)
20752 15	For edible protein products.....	.do .....	93,526	(X)	78,752	(X)	(X)
20752 61	Millfeed (hull meal) .....	.do .....	376,993	36,412	346,249	37,648	378,229
20751 42	Lecithin .....	.do .....	16,124	(X)	16,973	(X)	(X)
	Cottonseed:						
20741 11	Crude oil.....	Thous. lbs. ..	398,861	36,828	263,684	25,219	387,252
20744 11	Cake and meal .....	S. tons .....	533,868	35,538	388,571	93,703	592,033
20744 51	Hulls .....	.do .....	300,972	47,081	200,174	51,082	304,973
	Linters: <sup>1</sup>						
	Gross weight.....	Thous. lbs. ..	181,350	50,101	132,816	33,670	164,919
	Equivalent running bales .....	Number.....	287,416	79,535	210,415	53,402	261,283
20743 13	First cut:						
	Gross weight.....	Thous. lbs. ..	35,520	17,762	27,027	8,314	26,072
	Equivalent running bales .....	Number.....	56,741	28,374	43,174	13,281	41,649
20743 15	Second cut:						
	Gross weight.....	Thous. lbs. ..	124,176	27,299	93,276	21,174	118,051
	Equivalent running bales .....	Number.....	195,861	43,058	147,123	33,397	186,200
20743 17	Mill run:						
	Gross weight.....	Thous. lbs. ..	21,654	5,040	12,513	4,182	20,796
	Equivalent running bales .....	Number.....	34,814	8,103	20,117	6,723	33,434
	Linseed:						
20761 11	Crude oil.....	Thous. lbs. ..	(D)	(D)	(D)	(D)	(D)
20763 11	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Peanut:						
20762 52	Crude oil.....	Thous. lbs. ..	60,097	7,290	59,465	3,601	56,408
20763 51	Cake and meal .....	S. tons .....	40,950	3,393	40,485	2,481	40,038
	Sunflower:						
20762 35	Crude oil.....	Thous. lbs. ..	235,831	78,816	55,063	(D)	(D)
20763 64	Cake and meal .....	S. tons .....	147,752	(D)	40,485	(D)	(D)
20460 61	Corn:						
	Crude oil.....	Thous. lbs. ..	436,715	41,782	427,624	48,175	443,108
	Safflower:						
20762 99	Crude oil.....	Thous. lbs. ..	(D)	13,219	(D)	(D)	(D)
20763 99	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Rapeseed:						
20762 71	Crude oil.....	Thous. lbs. ..	(D)	(D)	(D)	(D)	(D)
20763 71	Cake and meal .....	S. tons .....	(D)	(D)	(D)	(D)	(D)
	Other:						
20762 99	Crude oil.....	Thous. lbs. ..	-	-	-	-	-
20763 99	Cake and meal .....	S. tons .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

<sup>1</sup>Data reported in gross weight and converted to running bales using the following factors: 1st cut ÷ 626 lbs., 2nd cut ÷ 634 lbs., and mill run ÷ 622 lbs.

Table 4. TOTAL SOYBEAN OIL FACTORY AND WAREHOUSE STOCKS

(Thousands of pounds)

Product code	Product description	Fourth quarter 1991	Third quarter 1991
Soybean oil:			
	Stocks, end of quarter.....	2,276,794	1,785,931
20751 11	Crude.....	1,977,705	1,518,431
20751 21	Refined .....	299,089	267,500

Table 5. CRUSHINGS AND STOCKS OF COTTONSEED AT OIL MILLS, BY STATE

(Short tons)

State	Fourth quarter 1991		Third quarter 1991	
	Crushed or used	Stocks at mills, end of quarter	Crushed or used	Stocks at mills, end of quarter
United States.....	1,145,203	2,380,480	812,958	686,617
Arkansas.....	117,444	437,326	92,681	108,559
Pacific and Mountain States.....	(D)	(D)	(D)	(D)
Mississippi.....	157,488	304,772	93,765	103,984
Texas.....	428,196	765,216	363,172	335,760
All other States.....	(D)	(D)	(D)	(D)

Note: Detail may not add to totals due to independent rounding.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>1</sup>Revised by 5 percent or more from previously published figures.

Table 6. PRODUCTION AND STOCKS OF COTTONSEED PRODUCTS FOR SELECTED STATES

State and product description	Unit of measure	Fourth quarter 1991		Third quarter 1991	
		Production	Stocks	Production	Stocks
Arkansas:					
Crude oil.....	Thous. lbs.....	37,757	1,698	30,073	2,248
Cake and meal.....	S. tons.....	53,953	2,248	44,743	4,738
Hulls.....	..do.....	28,478	4,293	19,893	3,997
Linters.....	Bales <sup>1</sup> .....	28,808	4,987	25,078	5,372
California:					
Crude oil.....	Thous. lbs.....	(D)	(D)	(D)	(D)
Cake and meal.....	S. tons.....	(D)	(D)	(D)	(D)
Hulls.....	..do.....	(D)	(D)	(D)	(D)
Linters.....	Bales <sup>1</sup> .....	(D)	(D)	(D)	(D)
Mississippi:					
Crude oil.....	Thous. lbs.....	79,222	(D)	(D)	(D)
Cake and meal.....	S. tons.....	67,967	(D)	(D)	(D)
Hulls.....	..do.....	39,144	(D)	(D)	(D)
Linters.....	Bales <sup>1</sup> .....	44,015	(D)	(D)	(D)
Texas:					
Crude oil.....	Thous. lbs.....	130,820	6,275	120,511	9,172
Cake and meal.....	S. tons.....	193,992	12,892	172,830	52,052
Hulls.....	..do.....	121,796	14,800	98,082	18,314
Linters.....	Bales <sup>1</sup> .....	101,495	39,987	83,590	28,811

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Data reported in gross weight and converted to running bales using the following factors: 1st cut ÷ 626 lbs., 2nd cut ÷ 634 lbs., and mill run ÷ 622 lbs.

Table 7. CRUSHINGS AND STOCKS OF SOYBEANS AT OIL MILLS, BY STATE

(Short tons)

State	Fourth quarter 1991		Third quarter 1991	
	Crushed or used	Stocks at mills, end of quarter	Crushed or used	Stocks at mills, end of quarter
United States.....	10,000,348	3,806,519	9,040,018	2,009,305
Arkansas.....	323,792	(D)	336,961	(D)
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	1,981,714	581,129	1,720,868	405,126
Indiana.....	662,548	(D)	568,722	(D)
Iowa.....	1,769,317	408,206	1,648,436	293,882
Kansas.....	432,204	135,346	351,013	96,987
Minnesota.....	666,080	63,016	669,167	62,336
Missouri.....	580,421	83,783	492,152	94,185
Ohio.....	668,555	311,110	584,098	219,215
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	2,416,564	1,439,685	2,176,116	376,945

(D) Data withheld to avoid disclosing figures for individual companies.

Table 8. PRODUCTION AND STOCKS OF SOYBEAN PRODUCTS AT OIL MILL LOCATIONS, BY STATES

(Crude oil in thousand pounds; cake and meal in short tons)

State	Fourth quarter 1991		Third quarter 1991	
	Crude oil	Cake and meal total <sup>1</sup>	Crude oil	Cake and meal total <sup>1</sup>
<b>Production</b>				
United States.....	3,772,042	7,936,492	3,412,192	7,165,911
Arkansas.....	117,452	267,933	124,035	266,848
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	760,464	1,565,390	857,984	1,358,802
Indiana.....	249,121	519,186	209,889	445,635
Iowa.....	675,169	1,404,155	639,244	1,302,199
Kansas.....	184,590	345,995	133,698	280,902
Minnesota.....	249,477	533,692	257,606	532,210
Missouri.....	221,437	460,009	188,474	392,559
Ohio.....	251,134	533,872	210,743	464,584
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	895,773	1,924,983	808,859	1,734,468
<b>Stocks at oil mill locations, end of quarter</b>				
United States.....	972,569	281,041	682,244	285,009
Arkansas.....	(D)	5,225	(D)	10,517
Georgia.....	(D)	(D)	(D)	(D)
Illinois.....	257,540	103,604	155,339	96,430
Indiana.....	206,065	(D)	143,474	(D)
Iowa.....	85,094	27,811	50,861	21,237
Kansas.....	(D)	8,128	(D)	6,969
Minnesota.....	60,443	14,284	46,680	(D)
Missouri.....	(D)	4,646	(D)	(D)
Ohio.....	(D)	(D)	(D)	(D)
South Carolina.....	(D)	(D)	(D)	(D)
All other States.....	172,139	83,755	173,953	82,617

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Includes millfeed and lecithin.

**Table 9. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED OILS: THIRD QUARTER 1991**

(Quantity in millions of pounds)

Product code	Product description	Manufacturers' production	Export of domestic merchandise <sup>1</sup>	Percent exports to manufacturers' production	Imports for consumption <sup>2</sup>	Apparent consumption <sup>3</sup>
20751 11	Soybean - crude oil .....	3,412.2	122.0	3.6	3.0	3,293.2
20741 11	Cottonseed - crude oil .....	263.7	-	-	-	263.7

Note: For comparison of Standard Industrial Classification codes, Schedule B export numbers, and HTSUSA import numbers, see table 10 in the first quarter report, MQ20J(91)-1, issued May 1991.

- Represents zero.

<sup>1</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*.

<sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*.

<sup>3</sup>Apparent consumption is equal to domestic production, plus imports, minus exports.

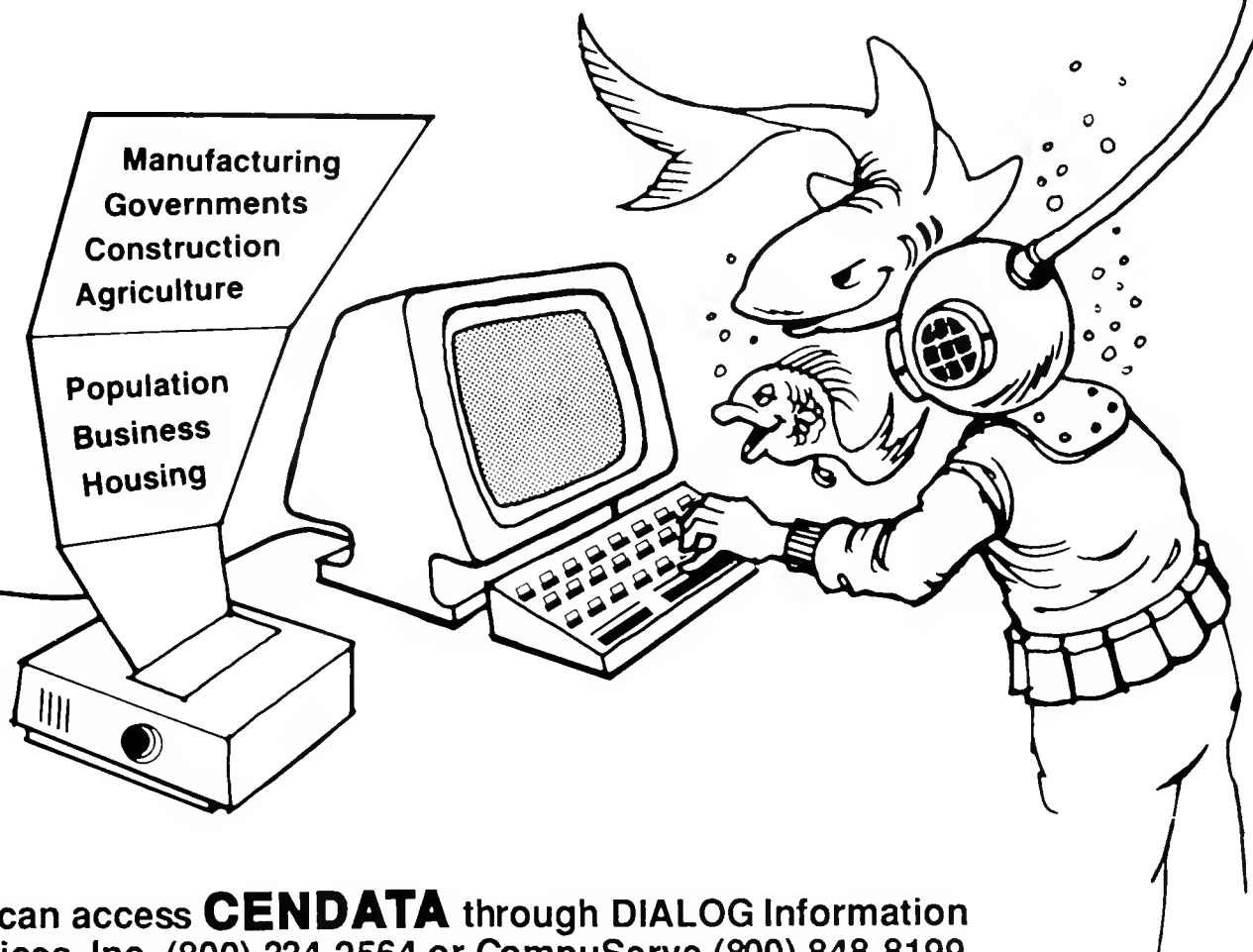


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# Fats and Oils Oilseed Crashings

## SUMMARY 1991

MQ20J(91)-5  
Issued April 1992

### SUMMARY OF FINDINGS

For the 1991 calendar year, soybean crashings were 36,380.3 thousand short tons while cottonseed crashings were 3,795.7 thousands short tons.

At the same time, production of crude soybean oil was 13,686.1 million pounds and crude cottonseed oil was 1,255.5 million pounds.

A description of the survey methodology and related information appears on page 10.

**Table 1. RECEIPTS, CRUSHINGS, AND STOCKS OF MAJOR RAW MATERIALS AT OIL MILLS: 1991**

(Thousands of short tons)

Product code	Product description	Total	Fourth quarter	Third quarter	Second quarter	First quarter
00116 11	Soybeans:					
	Receipts at mills .....	36,991.7	11,797.5	9,214.5	7,881.6	8,098.1
	Crushed or used .....	36,380.3	10,000.3	9,040.0	8,402.1	8,937.9
	Stocks, end of quarter or year .....	3,806.5	3,806.5	2,009.3	1,834.8	2,355.3
00131 01	Cottonseed:					
	Receipts at mills .....	3,699.5	2,839.1	619.8	181.3	59.3
	Crushed or used .....	3,795.7	1,145.2	813.0	864.5	973.0
	Stocks, end of quarter or year .....	2,380.5	2,380.5	686.6	879.8	1,563.0
00139 23	Peanuts:					
	Receipts at mills .....	311.2	64.2	71.3	86.6	89.1
	Crushed or used .....	311.0	68.7	73.7	84.2	84.4
	Stocks, end of quarter or year .....	10.8	10.8	15.3	17.7	15.3
00119 11	Linseed:					
	Receipts at mills .....	(D)	(D)	(D)	(D)	(D)
	Crushed or used .....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
00119 22	Sunflower seeds:					
	Receipts at mills .....	729.8	(D)	(D)	82.5	190.1
	Crushed or used .....	711.2	(D)	(D)	125.9	220.9
	Stocks, end of quarter or year .....	(D)	(D)	(D)	47.6	91.0
00119 33	Safflower seeds:					
	Receipts at mills .....	(D)	(D)	(D)	(D)	(D)
	Crushed or used .....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
00119 18	Rapeseed:					
	Receipts at mills .....	(D)	(D)	(D)	(D)	(D)
	Crushed or used .....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
	Other:					
	Receipts at mills .....	-	-	-	-	-
	Crushed or used .....	-	-	-	-	-
	Stocks, end of quarter or year .....	-	-	-	-	-

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

Table 2. PRODUCTION AND STOCKS OF MAJOR CRUDE VEGETABLE OILS AT OIL MILLS: 1991

(Millions of pounds)

Product code	Product description	Total	Fourth quarter	Third quarter	Second quarter	First quarter
20751 11	Soybean:					
	Production .....	13,686.1	3,772.0	3,412.2	3,170.8	3,331.1
	Stocks, end of quarter or year .....	972.6	972.6	682.2	740.7	810.7
20741 11	Cottonseed:					
	Production .....	1,255.5	398.9	263.7	283.0	309.9
	Stocks, end of quarter or year .....	36.8	36.8	25.2	26.1	28.7
20762 52	Peanut:					
	Production .....	261.5	60.1	59.5	71.1	70.8
	Stocks, end of quarter or year .....	7.3	7.3	3.6	8.5	11.0
20460 61	Corn:					
	Production .....	1,691.6	436.7	427.6	422.3	405.0
	Stocks, end of quarter or year .....	41.8	41.8	48.2	52.1	45.7
20761 11	Linseed:					
	Production .....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
20762 35	Sunflower seeds:					
	Production .....	578.4	235.8	55.1	105.4	182.1
	Stocks, end of quarter or year .....	(D)	(D)	(D)	66.1	69.7
20762 99	Safflower seeds:					
	Production .....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	13.2	13.2	(D)	23.5	19.8
20762 71	Rapeseed:					
	Production .....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

Table 3. **PRODUCTION SHIPMENTS, TRANSFERS, AND STOCKS OF PRIMARY PRODUCTS EXCEPT CRUDE OIL AT CRUDE MILLS: 1991**

Product code	Product description	Unit of measure	Total	Fourth quarter	Third quarter	Second quarter	First quarter
20751 11	Soybean:						
	Cake and meal:						
	Production .....	1,000 short tons ...	27,409.9	7,543.4	6,802.7	6,300.8	6,763.0
	Shipments and transfers .....	..do.....	27,584.6	7,546.2	6,938.0	6,408.3	6,692.1
	Stocks, end of quarter or year .....	..do.....	244.6	244.6	247.4	382.7	490.2
20751 42	Lecithin:						
	Production .....	..do.....	64.8	16.1	17.0	16.6	15.1
20752 61	Mill feed (hull meal):						
	Production .....	..do.....	1,382.2	377.0	346.3	339.9	319.0
	Shipments and transfers .....	..do.....	1,382.3	378.2	350.9	335.3	317.9
	Stocks, end of quarter or year .....	..do.....	36.4	36.4	37.6	42.2	37.6
20744 11	Cottonseed:						
	Cake and meal:						
	Production .....	1,000 short tons ...	1,787.8	533.9	388.6	409.1	456.2
	Shipments and transfers .....	..do.....	1,876.9	592.1	456.8	364.1	463.9
	Stocks, end of quarter or year .....	..do.....	35.5	35.5	93.7	161.9	116.9
20744 51	Hulls:						
	Production .....	..do.....	960.3	301.0	200.2	217.7	241.4
	Shipments and transfers .....	..do.....	957.2	305.0	222.2	202.4	227.6
	Stocks, end of quarter or year .....	..do.....	47.1	47.1	51.1	73.1	57.8
20743 13	Linters: <sup>1</sup>						
	First cut:						
	Production .....	Millions of lbs .....	128.0	35.5	27.0	31.4	34.1
	Shipments and transfers .....	..do.....	119.1	26.0	28.3	30.7	34.1
	Stocks, end of quarter or year .....	..do.....	17.8	17.8	8.3	9.6	8.9
	Production .....	1,000 bales <sup>1</sup> .....	204.5	56.7	43.2	50.2	54.4
	Shipments and transfers .....	..do.....	190.3	41.6	45.2	49.2	54.3
	Stocks, end of quarter or year .....	..do.....	28.4	28.4	13.3	15.3	14.3
20743 15	Second cut:						
	Production .....	Millions of lbs .....	423.5	124.2	93.3	101.4	104.6
	Shipments and transfers .....	..do.....	405.4	118.1	87.1	99.1	101.1
	Stocks, end of quarter or year .....	..do.....	27.3	27.3	21.2	15.0	12.7
	Production .....	1,000 bales <sup>1</sup> .....	668.0	195.9	147.2	160.0	164.9
	Shipments and transfers .....	..do.....	639.4	186.2	137.4	156.4	159.4
	Stocks, end of quarter or year .....	..do.....	43.1	43.1	33.4	23.6	20.0
20743 17	Mill run:						
	Production .....	Millions of lbs .....	63.6	21.7	12.5	10.6	18.8
	Shipments and transfers .....	..do.....	61.4	20.9	13.1	10.0	17.4
	Stocks, end of quarter or year .....	..do.....	5.0	5.0	4.2	4.8	4.2
	Production .....	1,000 bales <sup>1</sup> .....	102.1	34.8	20.1	17.0	30.2
	Shipments and transfers .....	..do.....	98.5	33.4	21.0	16.2	27.9
	Stocks, end of quarter or year .....	..do.....	8.1	8.1	6.7	7.6	6.8
20763 51	Peanut cake and meal:						
	Production .....	1,000 short tons ...	180.7	41.0	40.5	49.7	49.5
	Shipments and transfers .....	..do.....	181.3	40.1	43.9	51.2	46.1
	Stocks, end of quarter or year .....	..do.....	3.4	3.4	2.5	5.9	7.4
20763 11	Linseed cake and meal:						
	Production .....	..do.....	(D)	(D)	(D)	(D)	(D)
	Shipments and transfers .....	..do.....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	..do.....	(D)	(D)	(D)	(D)	(D)
20763 64	Sunflower cake and meal:						
	Production .....	..do.....	350.5	147.6	37.1	60.2	105.6
	Shipments and transfers .....	..do.....	(D)	(D)	42.1	57.4	108.6
	Stocks, end of quarter or year .....	..do.....	(D)	(D)	(D)	7.9	5.1
20763 99	Safflower cake and meal:						
	Production .....	..do.....	(D)	(D)	(D)	(D)	(D)
	Shipments and transfers .....	..do.....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	..do.....	(D)	(D)	(D)	(D)	(D)
20763 71	Rapeseed cake and meal:						
	Production .....	..do.....	(D)	(D)	(D)	(D)	(D)
	Shipments and transfers .....	..do.....	(D)	(D)	(D)	(D)	(D)
	Stocks, end of quarter or year .....	..do.....	(D)	(D)	(D)	(D)	(D)

Note: Detail may not add to total due to independent rounding.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Linter bales vary in weight depending on kind of cut: First cut, 626 lbs.; second cut, 634 lbs.; and mill run, 622 lbs.

**Table 4. CRUSHINGS AND STOCKS OF COTTONSEED (00131 11) AT OIL MILLS, BY SELECTED STATES: 1991**

(Thousands of short tons)

State	Total	Fourth quarter	Third quarter	Second quarter	First quarter
<b>United States:</b>					
Receipts at mills .....	3,699.5	2,839.1	619.8	181.3	59.3
Crushed or used .....	3,795.7	1,145.2	813.0	864.5	973.0
Stocks, end of quarter or year .....	2,380.5	2,380.5	686.6	879.8	1,583.0
<b>Arkansas:</b>					
Crushed or used .....	425.7	117.4	92.7	102.2	113.4
Stocks, end of quarter or year .....	437.3	437.3	108.6	114.3	243.2
<b>Pacific and Mountain States:</b>					
Crushed or used .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	73.2	189.8
<b>Mississippi:</b>					
Crushed or used .....	481.2	157.5	93.8	86.3	143.8
Stocks, end of quarter or year .....	304.8	304.8	104.0	83.2	186.8
<b>Texas:</b>					
Crushed or used .....	1,542.0	428.2	363.2	367.4	383.2
Stocks, end of quarter or year .....	765.2	765.2	335.8	406.0	649.8

(D) Data withheld to avoid disclosing figures for individual companies.

**Table 5. PRODUCTION AND STOCKS AT OIL MILLS, BY SELECTED STATES: 1991**

(Millions of pounds)

State	Total	Fourth quarter	Third quarter	Second quarter	First quarter
<b>COTTONSEED CRUDE OIL (20741 00)</b>					
<b>United States:</b>					
Production .....	1,255.5	398.9	263.7	283.0	309.9
Stocks, end of quarter or year .....	36.8	36.8	25.2	26.1	28.7
<b>Arkansas:</b>					
Production .....	135.8	37.8	30.1	32.4	35.5
Stocks, end of quarter or year .....	1.7	1.7	2.2	2.3	2.1
<b>Pacific and Mountain States:</b>					
Production .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
<b>Mississippi:</b>					
Production .....	(D)	79.2	(D)	26.7	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	3.5	(D)
<b>Texas:</b>					
Production .....	495.6	130.8	120.5	120.8	123.5
Stocks, end of quarter or year .....	6.3	6.3	9.2	5.4	6.0
<b>COTTONSEED CAKE AND MEAL (20744 14)</b>					
<b>United States:</b>					
Production .....	1,787.8	533.9	388.6	409.1	456.2
Stocks, end of quarter or year .....	35.5	35.5	93.7	161.9	116.9
<b>Arkansas:</b>					
Production .....	199.9	54.0	44.7	48.4	52.8
Stocks, end of quarter or year .....	2.2	2.2	4.7	6.0	7.8
<b>California:</b>					
Production .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

Table 5. PRODUCTION AND STOCKS AT OIL MILLS, BY SELECTED STATES: 1991—Continued

(Millions of pounds)

State	Total	Fourth quarter	Third quarter	Second quarter	First quarter
Mississippi:					
Production .....	217.2	68.0	(D)	39.3	65.8
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	3.7
Texas:					
Production .....	713.5	194.0	172.8	170.3	176.4
Stocks, end of quarter or year .....	12.9	12.9	52.1	70.1	35.2
<b>COTTONSEED HULLS (20744 51)</b>					
United States:					
Production .....	960.3	301.0	200.2	217.7	241.4
Stocks, end of quarter or year .....	47.1	47.1	51.1	73.1	57.8
Arkansas:					
Production .....	97.2	28.5	19.9	22.9	25.9
Stocks, end of quarter or year .....	4.3	4.3	4.0	7.1	6.6
California:					
Production .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
Mississippi:					
Production .....	118.1	39.1	(D)	21.9	32.9
Stocks, end of quarter or year .....	(D)	(D)	(D)	3.8	2.1
Texas:					
Production .....	423.5	121.8	98.1	99.9	103.7
Stocks, end of quarter or year .....	14.8	14.8	18.3	17.3	14.0
<b>COTTONSEED LINTERS FIRST CUT (20743 13), SECOND CUT (20743 15), AND MILL RUN (20743 17)<sup>1</sup></b>					
United States:					
Production .....	974.6	287.4	210.4	227.2	249.6
Stocks, end of quarter or year .....	79.5	79.5	53.4	46.6	41.0
Arkansas:					
Production .....	120.0	28.8	25.1	31.5	34.6
Stocks, end of quarter or year .....	5.0	5.0	5.4	4.6	3.2
California:					
Production .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
Mississippi:					
Production .....	145.4	44.0	(D)	29.5	42.3
Stocks, end of quarter or year .....	(D)	(D)	(D)	6.7	5.5
Texas:					
Production .....	362.9	101.5	83.6	84.1	93.7
Stocks, end of quarter or year .....	40.0	40.0	28.8	14.4	14.1

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Thousands of bales: linter bales vary in weight according to kind of cut: First cut, 626 lbs.; second cut, 634 lbs.; and mill run, 622 lbs.

**Table 6. NET RECEIPTS, CRUSHINGS, AND STOCKS OF SOYBEANS (0116 11) AT OIL MILLS, BY SELECTED STATES: 1991**

(Thousands of short tons)

State	Total	Fourth quarter	Third quarter	Second quarter	First quarter
United States:					
Receipts at mills .....	40,186.8	11,797.5	9,214.5	7,881.6	11,293.2
Crushed or used .....	36,380.3	10,000.3	9,040.0	8,402.1	8,937.9
Stocks, end of quarter or year .....	3,806.5	3,806.5	2,009.3	1,834.8	2,355.3
Arkansas:					
Receipts at mills .....	1,558.2	566.9	252.3	204.3	534.7
Crushed or used .....	1,245.0	323.8	337.0	257.5	326.7
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
Georgia:					
Receipts at mills .....	(D)	(D)	(D)	(D)	(D)
Crushed or used .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
Illinois:					
Receipts at mills .....	7,496.2	2,157.7	1,854.3	1,517.7	1,966.5
Crushed or used .....	6,915.1	1,981.7	1,720.9	1,508.2	1,704.3
Stocks, end of quarter or year .....	581.1	581.1	405.1	271.7	282.2
Indiana:					
Receipts at mills .....	2,618.2	650.6	746.1	515.2	706.3
Crushed or used .....	2,338.5	662.5	568.7	579.2	528.1
Stocks, end of quarter or year .....	(D)	(D)	(D)	114.2	(D)
Iowa:					
Receipts at mills .....	6,882.7	1,883.6	1,728.8	1,487.3	1,782.0
Crushed or used .....	6,474.5	1,769.3	1,648.4	1,484.0	1,572.8
Stocks, end of quarter or year .....	408.2	408.2	293.9	212.5	209.2
Kansas:					
Receipts at mills .....	1,710.5	470.5	410.1	358.0	471.9
Crushed or used .....	1,575.2	432.2	351.0	396.2	395.8
Stocks, end of quarter or year .....	135.3	135.3	97.0	37.9	76.1
Minnesota:					
Receipts at mills .....	2,644.2	666.8	684.9	631.9	660.6
Crushed or used .....	2,581.2	666.1	669.2	621.9	624.0
Stocks, end of quarter or year .....	(D)	(D)	62.3	46.6	(D)
Missouri:					
Receipts at mills .....	2,136.0	570.0	541.4	467.4	557.2
Crushed or used .....	2,052.2	580.4	492.2	501.3	478.3
Stocks, end of quarter or year .....	83.8	83.8	94.2	45.0	78.9
Ohio:					
Receipts at mills .....	2,617.7	760.5	606.0	489.9	761.3
Crushed or used .....	2,306.6	668.6	584.1	513.3	540.6
Stocks, end of quarter or year .....	(D)	(D)	219.2	(D)	(D)
South Carolina:					
Receipts at mills .....	(D)	(D)	(D)	(D)	(D)
Crushed or used .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
All other states:					
Receipts at mills .....	10,499.7	3,479.4	1,960.2	1,864.1	3,196.0
Crushed or used .....	9,060.0	2,416.6	2,176.1	2,136.3	2,331.0
Stocks, end of quarter or year .....	1,439.7	1,439.7	376.9	592.8	865.0

(D) Data withheld to avoid disclosing figures for individual companies.

**Table 7A. PRODUCTION AND STOCKS OF SOYBEAN CRUDE OIL (20751 11) AT OIL MILLS, BY SELECTED STATES: 1991**

(Millions of pounds)

State	Total	Fourth quarter	Third quarter	Second quarter	First quarter
<b>United States:</b>					
Production .....	13,686.1	3,772.0	3,412.2	3,170.8	3,331.1
Stocks, end of quarter or year .....	972.6	972.6	682.2	740.7	810.7
<b>Arkansas:</b>					
Production .....	456.7	117.5	124.0	95.7	119.5
Stocks, end of quarter or year .....	(D)	(D)	(D)	24.6	31.0
<b>Georgia:</b>					
Production .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
<b>Illinois:</b>					
Production .....	2,633.0	760.5	658.0	574.1	640.4
Stocks, end of quarter or year .....	257.5	257.5	155.3	120.9	131.5
<b>Indiana:</b>					
Production .....	856.2	249.1	209.9	209.9	187.3
Stocks, end of quarter or year .....	206.1	206.1	143.5	(D)	(D)
<b>Iowa:</b>					
Production .....	2,498.6	675.2	639.2	576.8	607.4
Stocks, end of quarter or year .....	85.1	85.1	50.9	52.5	71.0
<b>Kansas:</b>					
Production .....	597.7	164.6	133.7	150.8	148.6
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
<b>Minnesota:</b>					
Production .....	997.4	249.5	257.6	245.2	245.1
Stocks, end of quarter or year .....	60.4	60.4	46.7	(D)	61.9
<b>Missouri:</b>					
Production .....	785.2	221.4	188.5	191.8	183.5
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
<b>Ohio:</b>					
Production .....	835.8	251.1	210.7	183.0	191.0
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
<b>South Carolina:</b>					
Production .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
<b>All other states:</b>					
Production .....	3,349.5	895.8	808.9	794.7	850.3
Stocks, end of quarter or year .....	172.1	172.1	174.0	256.7	265.4

(D) Data withheld to avoid disclosing figures for individual companies.

**Table 7B. PRODUCTION AND STOCKS OF SOYBEAN CAKE AND MEAL (20752 11), INCLUDING MILLFEED (20752 61) AND LECITHIN (20751 51) AT OIL MILLS, BY SELECTED STATES: 1991**

(Millions of pounds)

State	Total	Fourth quarter	Third quarter	Second quarter	First quarter
United States:					
Production .....	28,856.9	7,936.5	7,166.0	6,657.3	7,097.1
Stocks, end of quarter or year .....	281.0	281.0	285.0	425.0	527.8
Arkansas:					
Production .....	989.5	257.9	266.8	204.8	260.0
Stocks, end of quarter or year .....	5.2	5.2	10.5	10.6	15.5
Georgia:					
Production .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
Illinois:					
Production .....	5,440.5	1,565.4	1,358.8	1,170.1	1,348.2
Stocks, end of quarter or year .....	103.6	103.6	96.4	152.5	208.0
Indiana:					
Production .....	1,832.0	519.2	445.6	452.5	414.7
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
Iowa:					
Production .....	5,113.8	1,404.2	1,302.2	1,168.6	1,238.8
Stocks, end of quarter or year .....	27.8	27.8	21.2	34.8	36.4
Kansas:					
Production .....	1,263.4	346.0	280.9	319.0	317.5
Stocks, end of quarter or year .....	8.1	8.1	7.0	10.5	11.8
Minnesota:					
Production .....	2,072.7	533.7	532.2	503.5	503.3
Stocks, end of quarter or year .....	14.3	14.3	(D)	22.4	(D)
Missouri:					
Production .....	1,632.0	460.0	392.6	399.4	380.0
Stocks, end of quarter or year .....	4.6	4.6	(D)	(D)	(D)
Ohio:					
Production .....	1,838.8	533.9	464.6	407.9	432.6
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
South Carolina:					
Production .....	(D)	(D)	(D)	(D)	(D)
Stocks, end of quarter or year .....	(D)	(D)	(D)	(D)	(D)
All other states:					
Production .....	7,233.5	1,925.0	1,734.5	1,713.7	1,860.3
Stocks, end of quarter or year .....	83.8	83.8	82.6	96.0	94.6

(D) Data withheld to avoid disclosing figures for individual companies.



**Table 8. DOMESTIC PRODUCTION, EXPORTS, IMPORTS AND APPRENT CONSUMPTION OF SELECTED CRUDE OILS: 1991**

(Quantity in million pounds)

Product code	Product description	Manufacturers' production	Export of domestic merchandise <sup>1</sup>	Percent exports to manufacturers' production	Imports for consumption <sup>2</sup>	Apparent consumption <sup>3</sup>
20751 11	Soybean crude oil .....	13,686.1	737.0	5.4	3.0	12,952.1
20751 11	Cottonseed crude oil .....	1,255.5	7.0	0.6	-	1,248.5

Note: Comparison of SIC code (domestic output) and Schedule B export numbers, and HTSUSA import numbers is as follows:

<u>Domestic output</u>	<u>Exports</u>	<u>Imports</u>
20751 11	1507.00.0004	1507.00.0004
20741 11	1512.21.0004	1512.21.0004
20762 52	1508.00.0003	1508.00.0003
20761 11	1515.11.0003	1515.11.0003
20460 61	1515.21.0001	1515.21.0001

- Represents zero.

<sup>1</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*.

<sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*.

<sup>3</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the sum of production plus imports.

## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all plants in the United States that crush vegetable oil-bearing materials (oilseeds, beans, nuts, etc.). Only primary processors are included in this survey. Plants that only refine or further process crude vegetable oils are excluded.

**Survey Methodology.** The data shown in this publication were collected by mail on Bureau of the Census monthly Form MQ20J, Oilseeds, Beans, and Nuts (Primary Processors), from a sample of about 180 establishments. Approximately 170 of these establishments are included in the quarterly mail panel. An additional 10 small crushers report data annually. Quarterly data for these small crushers are estimated based on their annual reports and trends reported by those in the quarterly panel.

**Survey Error.** Figures for the current quarter may include estimates for panel members for which reports were not received in time for tabulation. Such missing figures are "imputed" based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 5 percent for any one data cell. Figures with imputation rates greater than 5 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual monthly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous months may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Net Receipts at Mills (Current Quarter).* Figures under this heading are derived by subtracting stocks held at the end of the previous quarter from the sum of materials crushed during the current quarter and stocks held at the end of the current quarter.

*Shipments and Transfers (Current Quarter).* Figures under this heading are derived by subtracting stocks held at the end of the current quarter from the sum of stocks held at the end of the previous quarter and production during the current quarter.

*Linters.* The fuzz or short fibers that adhere to cottonseed after ginning.

*Hulls.* The outer covering of cottonseeds or soybeans.

*Cake and Meal.* The residue left after the oil is extracted from a seed, nut, or kernel.

*Crude Vegetable Oils.* Oil until it has been processed by an alkali or caustic wash or by some equivalent operation.

*Lecithin.* A mixed phosphatide product obtained from soybean oil in the degumming process.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.

- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charges and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.
- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## HISTORICAL NOTES

Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2274
Boston, Massachusetts	(617) 565-7078
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Chicago, Illinois	(312) 353-0980
Dallas, Texas	(214) 767-7105
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New York, New York	(212) 264-4730
Philadelphia, Pennsylvania	215) 597-8313
Seattle, Washington	(206) 728-5314

Historical data are also available on microfiche. For further information contact the Bureau of the Census, Data User Services Division, (301) 763-4100.

## RELATED REPORTS

A quarterly Current Industrial Report also is published in this series. The Bureau of the Census also publishes the following related reports:

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## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MQ20J	Andrew Kraynak	(301) 763-7108
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To order a Current Industrial Report	Superintendent of Documents (GPO)	(202) 783-3238
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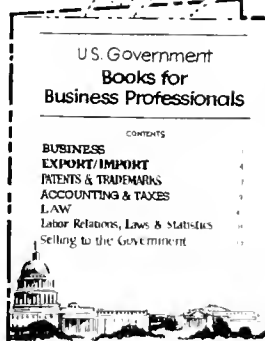
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